



nanoparticle and porous and matrix and excipi

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Design of submicron and **nanoparticle** delivery systems using supercritical carbon dioxide-mediated processes: an overview

AS Zarena... - Therapeutic Delivery, 2011 - Future Science

... prepare various forms or formulations of the drug [9], such as **nanoparticle** suspension; drug ... is to encapsulate a biologically active ingredient in the polymer **matrix** to be ... **Porous** biodegradable poly(DL) acid (PLA) scaffolds encapsulating vascular endothelial growth factor (VEGF ...

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S-Propranolol imprinted polymer **nanoparticle**-on-microsphere composite **porous** cellulose membrane for the enantioselectively controlled delivery of racemic ...

C Jantarat, N Tangthong, S Songkro... - International journal of ..., 2008 - Elsevier

... The aim of the current study was to seek to produce self-assembled composite **porous** cellulose membranes containing ... was performed by oven-heating the mixture at 60 °C for 24 h. The polymer **matrix** obtained was ... 2.2.2. Bead microspheres and **nanoparticle**-on-microspheres. ...

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Development of solid self-emulsifying drug delivery systems: preparation techniques and dosage forms

B Tang, G Cheng, JC Gu... - Drug Discovery Today, 2008 - Elsevier

... **Nanoparticle** adsorbents comprise **porous** silicon dioxide (Sylsia 550), carbon nanotubes, carbon nanohorns, fullerene, charcoal and bamboo charcoal [22]. Melt granulation. ... As an example, a solid PEG **matrix** can be chosen. ...

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[\[PDF\] from syohu.edu.cn](#)

Polymeric drug nanoparticles prepared by an aerosol flow reactor method

H Eerikainen, EI Kauppinen... - Pharmaceutical research, 2004 - Springer

... The aerosol flow reactor method was found to be able to produce homogeneous amorphous **matrix**-type nanoparticles that can directly ... The reactor wall temperature used in this study was kept constant at 80°C. The **nanoparticle** aerosol was diluted in a **porous** tube aerosol ...

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[PDF] Approaches for the development of solid self-emulsifying drug delivery systems and dosage forms

S Kattabojana - asianjps.com

... **Nanoparticle** adsorbents include **porous** silicon dioxide (Sylsia 550), carbon nanotubes, carbon nanohorns, fullerene ... It has been reported that **porous** polystyrene beads can be used as carriers ... SLN are produced by high-pressure homogenization of the solid **matrix** and drug ...

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Recent Development, Applications, and Perspectives of Mesoporous Silica Particles in Medicine and Biotechnology

L Pasqua, S Condari, C Ceresa... - Current medicinal ..., 2009 - ingentaconnect.com

... the water-soluble aminoglycoside anti-biotic gentamicin, and the fat-soluble **NSAID** naproxen were ... available or being developed coupled with the increasing knowledge of **excipient** use for the ... by solvent extraction in very mild conditions produced a **porous matrix** provided with ...

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Silica-lipid hybrid (SLH) microcapsules: a novel oral delivery system for poorly soluble drugs

A Tan, S Simovic, AK Davey, T Rades... - Journal of Controlled ..., 2009 - Elsevier

... nanoparticles, which is a commonly used pharmaceutical and food **excipient** approved by ... the cross-sectional morphology of both SLH microcapsules demonstrated **porous matrix** structures with ... Therefore, the SLH microcapsules formed are not merely **nanoparticle**-coated core ...

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Pharmaceutical product development technologies based on the biopharmaceutical classification system

D Jain, D Patilak... - Pharmazie, 2009 - Govi-Verlag

... NAB (American Bioscience, US): **Nanoparticle** Albumin- Bound technology: injectable suspension of biocompatible protein with ... slowly ab- sorbs fluid from the GI tract, which causes the **matrix** to expand and transforms the hydrophilic polymers into a **porous**, viscous gel ...

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Materials for Pharmaceutical Dosage Forms: Molecular Pharmaceutics and Controlled Release Drug Delivery Aspects

HM Mansour, MJ Sohn, A Al-Ghananeem... - International Journal of ..., 2010 - mdpi.com

... To enhance the desirable properties of polymer as a **matrix** for a controlled drug delivery system ... to depend on diffusion through **pores** initially and on degradation at later times [135]. ... The area of **nanoparticle** drug delivery is gaining much attention in recent years for a variety of ...

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